

TOWN OF WETHERSFIELD, CONNECTICUT

STANDARD CONSTRUCTION DETAILS AND CODE REQUIREMENTS FOR IMPROVEMENTS WITHIN THE TOWN RIGHT-OF-WAY

Effective October 10, 2017

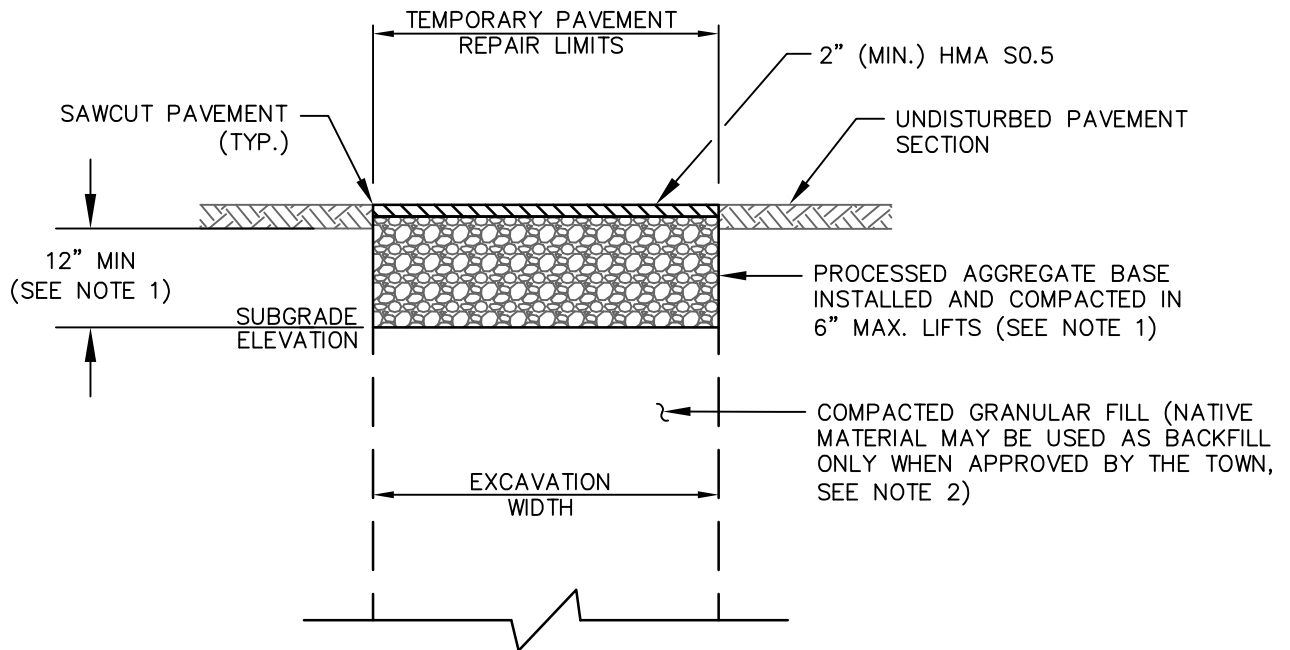
Last Revised January 2020



**Town of Wethersfield
Department of Public Works
Engineering Division**

Town of Wethersfield

Construction Details



NOTES:

1. PROCESSED AGGREGATE BASE SHALL BE INSTALLED TO PROVIDE 12" MIN. THICKNESS BELOW THE BOTTOM OF THE EXISTING PAVEMENT SECTION
2. WHEN REQUIRED BY THE TOWN, THE CONTRACTOR SHALL SUBMIT TEST RESULTS CONFIRMING THAT COMPACTION OF THE TOTAL TRENCH AREA MEETS 95% COMPACTED DENSITY.
3. IF GEOTEXTILE FABRIC IS ENCOUNTERED WITHIN THE EXCAVATION AT THE BOTTOM OF THE PROCESSED AGGREGATE BASE, THE TOWN SHALL BE IMMEDIATELY NOTIFIED AND AN APPROVED FABRIC SHALL BE REPLACED WITH A 12" MIN. OVERLAP AS DIRECTED BY THE TOWN.
4. TEMPORARY PAVEMENT REPAIRS SHALL BE INSTALLED AND REMAIN IN PLACE FOR A MINIMUM OF NINETY (90) DAYS BEFORE PERMANENT REPAIRS ARE COMPLETED, UNLESS OTHERWISE APPROVED BY THE TOWN ENGINEER.
5. ALL CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM TO CTDOT FORM 817 STANDARDS.

**TOWN OF WETHERSFIELD
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION**

**STANDARD CONSTRUCTION DETAILS FOR
IMPROVEMENTS IN TOWN RIGHT-OF-WAY**

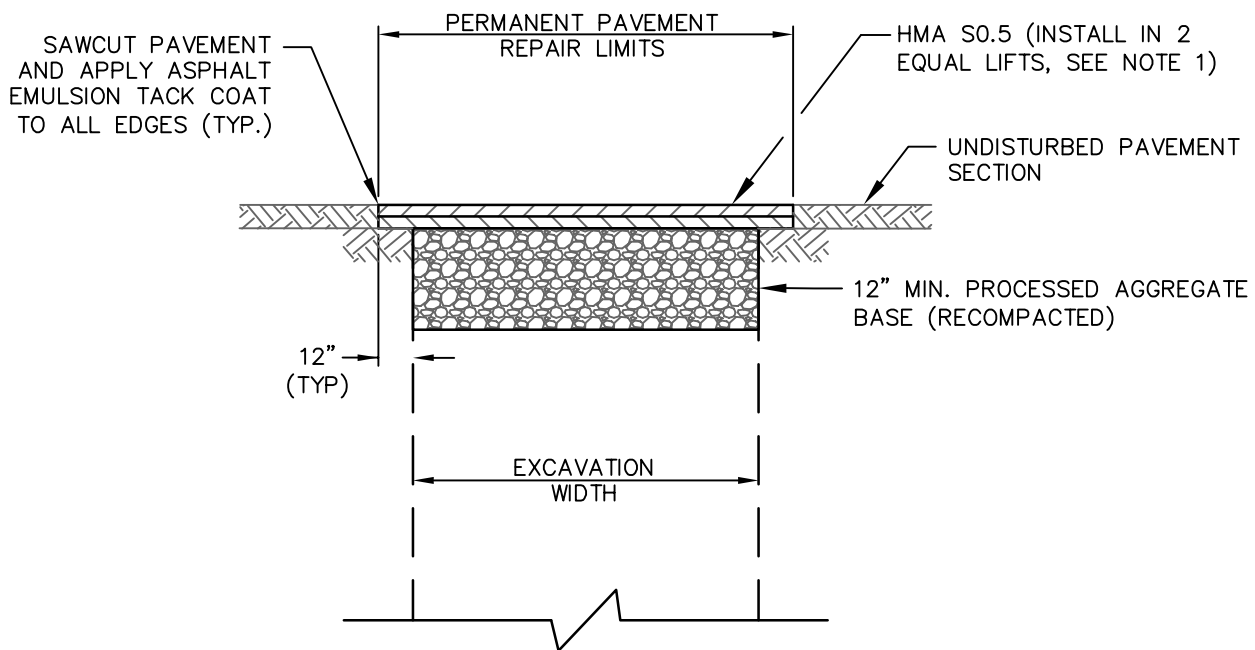
**TEMPORARY PAVEMENT
REPAIR**

DRAWN BY: LB
REVIEWED BY: DM
APPROVED BY: DG

DATE: OCTOBER 2017
REVISED: JANUARY 2020
SCALE: NONE

Sheet No.

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NOTES:

1. NEW PAVEMENT SHALL MATCH EXISTING PAVEMENT THICKNESS OR BE INSTALLED WITH A 4" MIN. THICKNESS, EXCEPT FOR MAJOR TOWN ROADS LISTED ON SHEET 14 WHERE A 5" MIN. PAVEMENT THICKNESS IS REQUIRED.
2. TEMPORARY PAVEMENT REPAIRS SHALL REMAIN IN PLACE FOR A MINIMUM OF NINETY (90) DAYS BEFORE PERMANENT REPAIRS ARE COMPLETED, UNLESS OTHERWISE APPROVED BY THE TOWN ENGINEER.
3. ALL JOINTS BETWEEN NEW AND EXISTING PAVEMENT SHALL BE SEALED WITH A LIQUID BITUMINOUS CONCRETE SEALER.
4. ALL CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM TO CTDOT FORM 817 STANDARDS.

**TOWN OF WETHERSFIELD
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION**

**STANDARD CONSTRUCTION DETAILS FOR
IMPROVEMENTS IN TOWN RIGHT-OF-WAY**

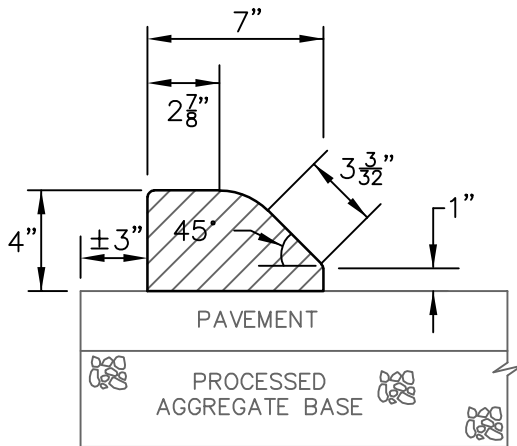
**PERMANENT PAVEMENT
REPAIR**

DRAWN BY: LB
REVIEWED BY: DM
APPROVED BY: DG

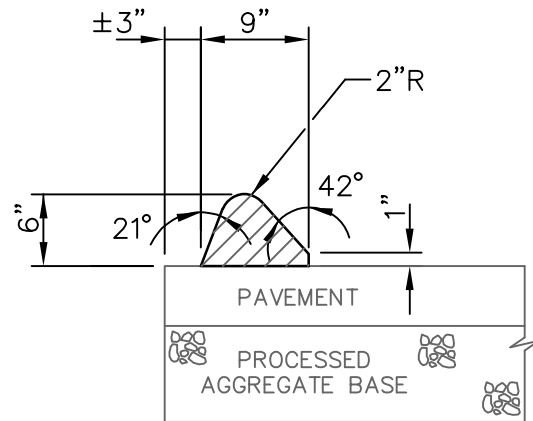
DATE: OCTOBER 2017
REVISED: FEBRUARY 2019
SCALE: NONE

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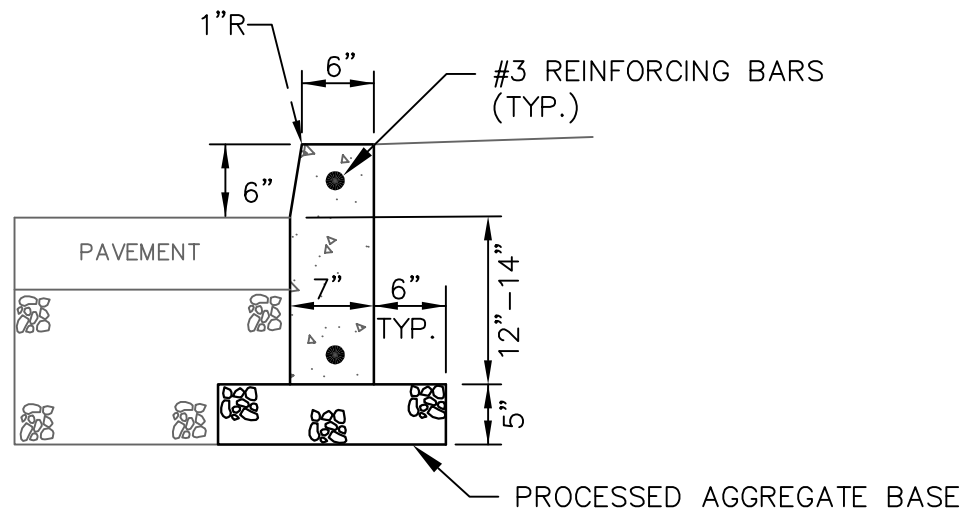
2 of 14



**4" BITUMINOUS CONCRETE
PARK CURB**



**6" BITUMINOUS CONCRETE
LIP CURB**



PRECAST CONCRETE CURB

NOTE:

1. ALL CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM TO CTDOT FORM 817 STANDARDS.
2. BITUMINOUS CONCRETE CURB SHALL BE INSTALLED ON THE BINDER COURSE OF PAVEMENT WHENEVER POSSIBLE.

**TOWN OF WETHERSFIELD
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION**

**STANDARD CONSTRUCTION DETAILS FOR
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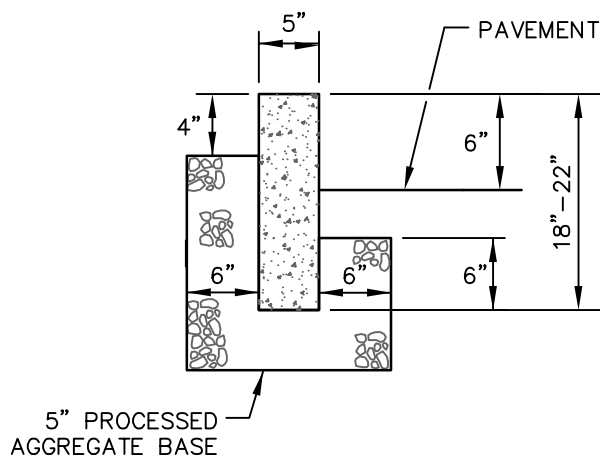
**BITUMINOUS CONCRETE AND
CONCRETE CURB**

DRAWN BY: LB
REVIEWED BY: DM
APPROVED BY: DG

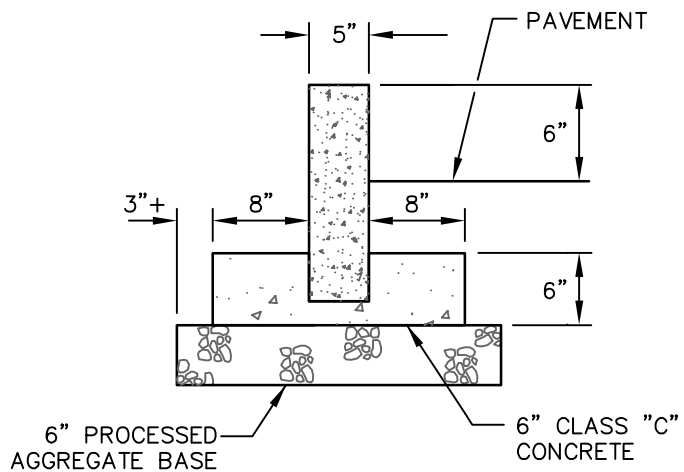
DATE: OCTOBER 2017
REVISED: JANUARY 2020
SCALE: NONE

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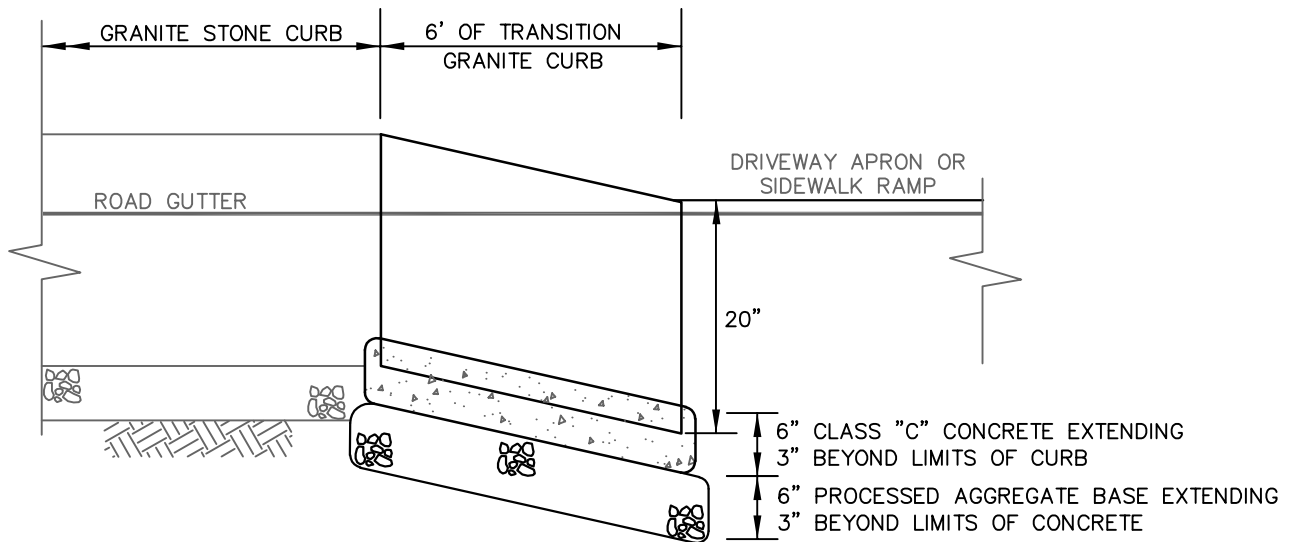
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STRAIGHT GRANITE CURB



RADIUS GRANITE CURB



TRANSITION GRANITE CURB

GRANITE CURB NOTES:

1. MINIMUM LENGTH OF GRANITE CURB SHALL BE 4'-0" WITH FINISH-SAWN TOP AND SPLIT FACE JOINTED.
2. ALL STRAIGHT AND RADIUS GRANITE CURB JOINTS, AND LENGTH OF TRANSITION CUBS AND JOINTS, SHALL BE SET IN 6" OF CLASS "C" CONCRETE WITH MORTAR APPLIED ALONG THE HEIGHT AND WIDTH OF ALL ABUTTING CURB FACES.
3. GRANITE CURB WITH A RADIUS OF 100' OR LESS SHALL BE CONSTRUCTED OF RADIUS GRANITE CURB THAT IS SET IN 6" OF CONCRETE ALONG THE ENTIRE LENGTH.
4. STRAIGHT AND RADIUS GRANITE CURB SHALL BE USED FOR TRANSITION CURB AT DRIVEWAY APRONS AND SIDEWALK RAMPS WHERE APPLICABLE.
5. ALL CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM TO CTDOT FORM 817 STANDARDS.

**TOWN OF WETHERSFIELD
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION**

**STANDARD CONSTRUCTION DETAILS FOR
IMPROVEMENTS IN TOWN RIGHT-OF-WAY**

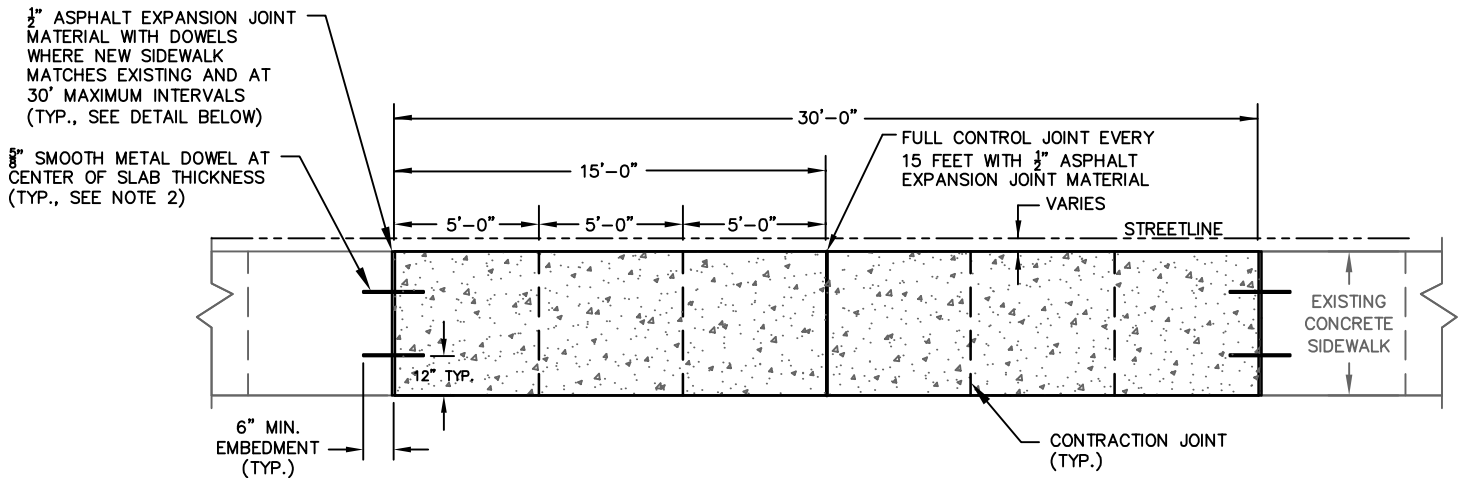
GRANITE CURB

DRAWN BY: LB
REVIEWED BY: DM
APPROVED BY: DG

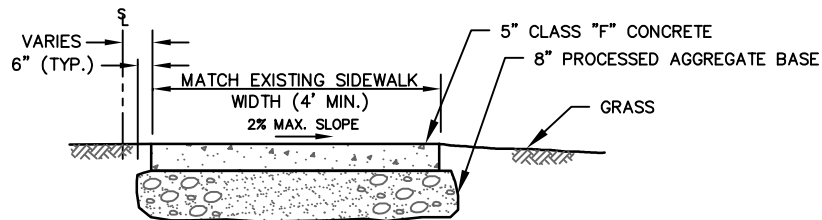
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SCALE: NONE

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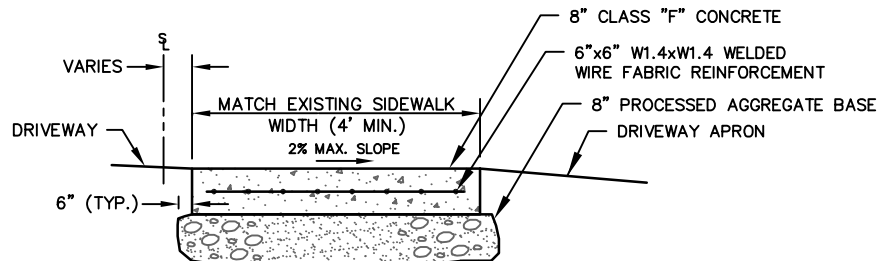
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PLAN



SECTION VIEW OF
5" CONCRETE SIDEWALK
(FOR PEDESTRIAN TRAFFIC ONLY)



SECTION VIEW OF
8" REINFORCED CONCRETE SIDEWALK
(FOR VEHICLE TRAFFIC)

NOTES:

1. NO UTILITY POLES, SIGNS OR OTHER OBSTRUCTIONS SHALL BE LOCATED WITHIN THE LIMITS OF NEW 5" OR 8" CONCRETE SIDEWALK.
2. DOWELS SHALL BE DIPPED IN LIQUID ASPHALT AND AN APPROVED BOND BREAKER OR PLASTIC SLEEVE MUST BE PROVIDED ON ONE SIDE OF THE JOINT PRIOR TO INSTALLATION.
3. LIMITS OF DISTURBANCE TO ADJACENT LAWN AREAS AND DRIVEWAYS SHALL BE MINIMIZED DURING CONSTRUCTION.
4. REINFORCED CONCRETE SIDEWALK MUST BE INSTALLED ACROSS ALL DRIVEWAYS TO ACCOMMODATE VEHICLE LOADS. SEE BITUMINOUS CONCRETE DRIVEWAY APRON DETAIL FOR ASSOCIATED REQUIREMENTS.
5. ALL CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM TO CTDOT FORM 817 STANDARDS.

**TOWN OF WETHERSFIELD
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION**

**STANDARD CONSTRUCTION DETAILS FOR
IMPROVEMENTS IN TOWN RIGHT-OF-WAY**

CONCRETE SIDEWALK

DRAWN BY: LB
REVIEWED BY: DM
APPROVED BY: DG

DATE: OCTOBER 2017
SCALE: NONE

Sheet No.

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CONCRETE SIDEWALK RAMP NOTES

1. ALL SIDEWALK RAMPS SHALL COMPLY WITH THE APPLICABLE STATUTES OF THE STATE OF CONNECTICUT AND FEDERAL REQUIREMENTS CONCERNING THE CONSTRUCTION OF SIDEWALK RAMPS TO MEET CURRENT AMERICANS WITH DISABILITIES (ADA) STANDARDS AND PUBLIC RIGHT-OF-WAY GUIDELINES (PROWAG).
2. SIDEWALK RAMPS SHALL BE CONSTRUCTED AT ALL EXISTING AND PROPOSED PEDESTRIAN CROSSINGS AND WHERE DIRECTED BY THE TOWN. WHENEVER FEASIBLE, SEPARATE RAMPS SHALL BE PROVIDED FOR EACH PEDESTRIAN CROSSING.
3. IN GENERAL, SIDEWALK RAMPS LOCATED NEAR STREET CORNERS SHALL BE CONSTRUCTED AT THE ENDS OF THE CURB RADIUS (I.E. POINTS OF CURVATURE AND TANGENT) UNLESS APPROVED OTHERWISE BY THE TOWN.
4. UTILITY POLES, SIGNS AND OTHER OBSTRUCTIONS SHALL NOT BE LOCATED WITHIN THE LIMITS OF RAMPS WHENEVER FEASIBLE. IF UNAVOIDABLE, A CLEARANCE OF 36" MINIMUM MUST BE PROVIDED BETWEEN THE OBSTRUCTION AND THE BACK EDGE OF THE RAMP OR FACE OF CURB.
5. SIDEWALK RAMPS SHALL BE INSTALLED ENTIRELY WITHIN THE PUBLIC RIGHT-OF-WAY. CARE SHALL BE TAKEN NOT TO DISTURB EXISTING MONUMENTATION THAT MAY PRESENT IN THE VICINITY.
6. WHENEVER FEASIBLE, SIDEWALK RAMPS SHALL NOT BE INSTALLED WITHIN THE LIMITS OF PROPOSED OR EXISTING CATCH BASINS.
7. THE FINAL TEXTURE OF THE CONCRETE RAMP SURFACE SHALL MATCH EXISTING, ADJACENT SIDEWALK.
8. CARE SHALL BE TAKEN TO ASSURE UNIFORM GRADE ON THE RAMP, FREE OF SAGS, LIPS AND ABRUPT GRADE CHANGES.
9. THE HAUNCH AT THE BOTTOM OF THE RAMP SHALL BE POURED INTEGRALLY WITH THE RAMP, SET FLUSH WITH THE GUTTER LINE, AND BEVELED.
10. WHEREVER FEASIBLE, MAXIMUM SLOPES OF ADJOINING GUTTERS AND ROAD SURFACES IMMEDIATELY ADJACENT TO THE SIDEWALK RAMP OR ACCESSIBLE ROUTE SHALL NOT EXCEED 5%. MAXIMUM COMBINED GRADE OF RAMP AND ADJOINING SURFACE SHALL NOT EXCEED 13%.
11. REMOVAL AND REPLACEMENT OF EXISTING SIDEWALK TO ACCOMMODATE NEW RAMP INSTALLATIONS SHALL BE TO THE NEAREST EXPANSION/CONTRACTION JOINT OR DUMMY JOINT THAT PROVIDES A MAXIMUM 12:1 SLOPE AS SHOWN IN THE DETAIL OR 15', WHICHEVER IS CLOSER, UNLESS OTHERWISE DIRECTED BY THE TOWN.
12. SIDEWALK RAMPS AT MARKED CROSSINGS SHALL BE COMPLETELY CONTAINED WITHIN THE MARKINGS, EXCLUDING ANY FLARED SIDES.
13. EXPANSION JOINTS IN CONCRETE SHALL MATCH THOSE IN ADJACENT SIDEWALKS BUT IN NO CASE SHALL THE SPACING BETWEEN EXPANSION JOINTS EXCEED 15' UNLESS OTHERWISE DIRECTED BY THE TOWN.
14. RAISED ISLANDS IN CROSSINGS SHALL HAVE SIDEWALK RAMPS AT BOTH SIDES AND A LEVEL AREA WITH A 4 FT MINIMUM LENGTH BETWEEN THE RAMPS IN THE AREA OF THE ISLAND INTERSECTED BY THE CROSSINGS. IF THIS CANNOT BE ACHIEVED, THE RAISED ISLAND SHALL BE CUT THROUGH LEVEL WITH THE ROADWAY.
15. DETECTABLE WARNING TILES SHALL BE 24" X 48" VPC, CAST-IN-PLACE, REPLACEABLE PANEL WITH 8-BOLT PATTERN AS MANUFACTURED BY ADA SOLUTIONS, INC., P.O. BOX 3, NORTH BILLERICA, MA 01862 (1-800-372-0519) OR APPROVED EQUAL. TILE MUST BE BRICK RED COLOR CONFORMING TO FEDERAL COLORS, WHICH IS HOMOGENEOUS THROUGHOUT THE TILE.
16. INSTALL EDGE OF DETECTABLE WARNING TILES 6" FROM THE EDGE OF ROAD AND ALIGN DOMES ON A SQUARE GRID IN THE DIRECTION OF PEDESTRIAN TRAVEL.
17. ANY QUESTIONS PERTAINING TO LOCATION AND DIMENSIONS OF CONCRETE SIDEWALK RAMPS AND/OR PLACEMENT OF DETECTABLE WARNING TILES SHALL BE DIRECTED TO THE TOWN PRIOR TO INSTALLATION.
18. LIMITS OF DISTURBANCE TO ADJACENT DRIVEWAY AND LAWN AREAS SHALL BE MINIMIZED DURING CONSTRUCTION.
19. IMMEDIATELY NOTIFY THE TOWN IF EXISTING TREE ROOTS ARE ENCOUNTERED DURING THE WORK TO DISCUSS PROPER REMOVAL TO AVOID DAMAGING THE ASSOCIATED TREE.
20. ALL CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM TO CTDOT FORM 817 STANDARDS.
21. SEE ASSOCIATED SIDEWALK RAMP DETAILS FOR ADDITIONAL INFORMATION.

TOWN OF WETHERSFIELD DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION

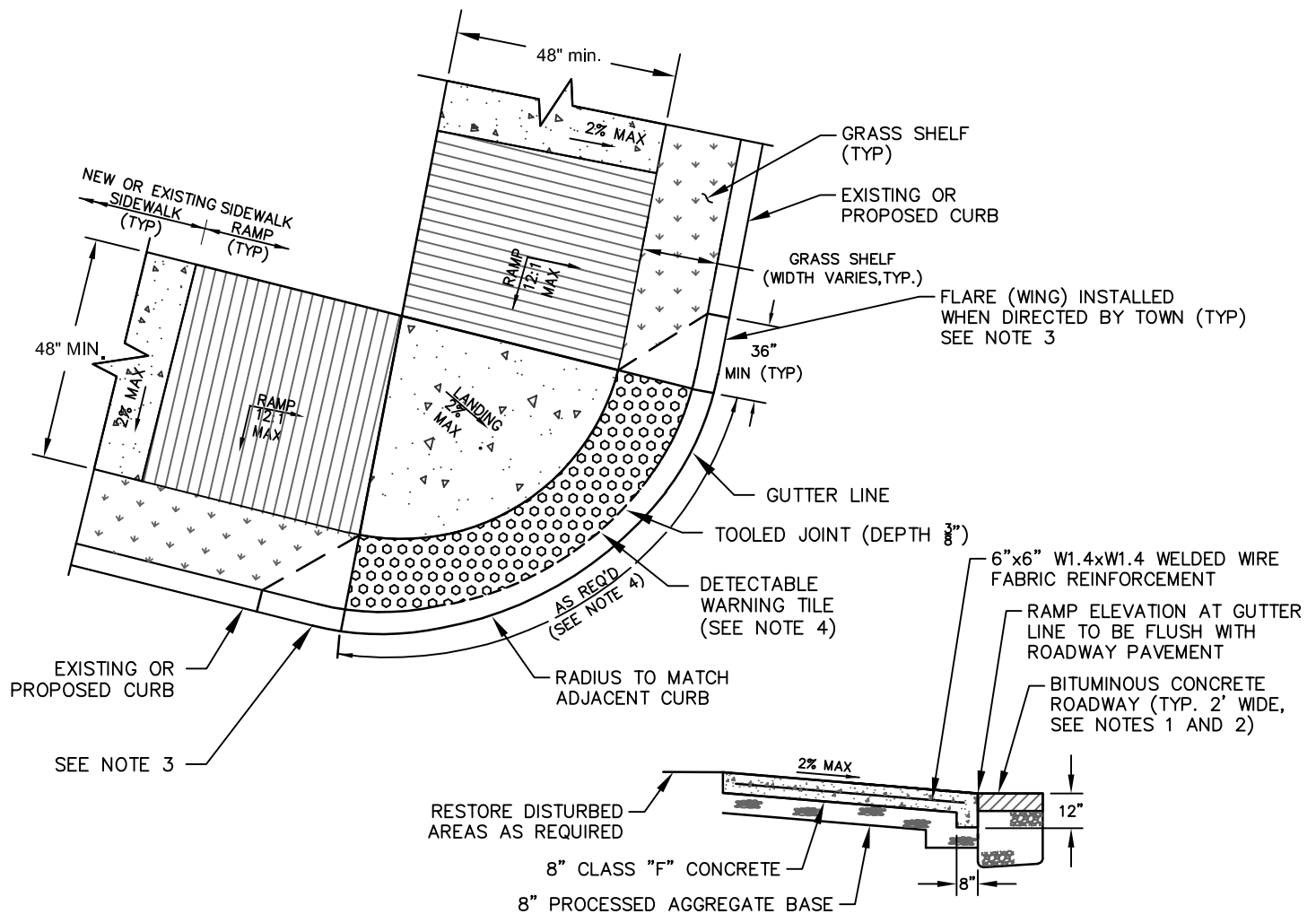
STANDARD CONSTRUCTION DETAILS FOR IMPROVEMENTS IN TOWN RIGHT-OF-WAY

CONCRETE SIDEWALK RAMP NOTES

DRAWN BY: LB
REVIEWED BY: DM
APPROVED BY: DG

DATE: OCTOBER 2017
REVISED: JANUARY 2020
SCALE: NONE

Sheet No.
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SECTION OF SIDEWALK RAMP AT C

NOTES:

1. NEW PAVEMENT SHALL MATCH EXISTING PAVEMENT THICKNESS OR BE INSTALLED WITH A 4" MIN. THICKNESS, EXCEPT FOR MAJOR TOWN ROADS LISTED ON SHEET 14 WHERE A 5" MIN. PAVEMENT THICKNESS IS REQUIRED.
2. PROCESSED AGGREGATE BASE SHALL BE INSTALLED TO PROVIDE 12" MIN. THICKNESS BELOW THE BOTTOM OF THE EXISTING PAVEMENT SECTION
3. TRANSITION BITUMINOUS CONCRETE CURB TO MATCH SIDEWALK RAMP. IF CONCRETE FLARES (WINGS) ARE NECESSARY TO ACCOMMODATE ADJACENT GRADES, FLARES AND CONCRETE CURB SHALL BE POURED AT 10% MAX SLOPE AND PAID WITH SIDEWALK RAMP.
4. POUR CONCRETE RAMP TO PROVIDE A 6" CLEARANCE BETWEEN DETECTABLE WARNING TILE AND EDGE OF ROAD.
5. ALL CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM TO CTDOT FORM 817 STANDARDS.
6. REFER TO CONCRETE SIDEWALK RAMP NOTES FOR ADDITIONAL INFORMATION.

**TOWN OF WETHERSFIELD
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION**

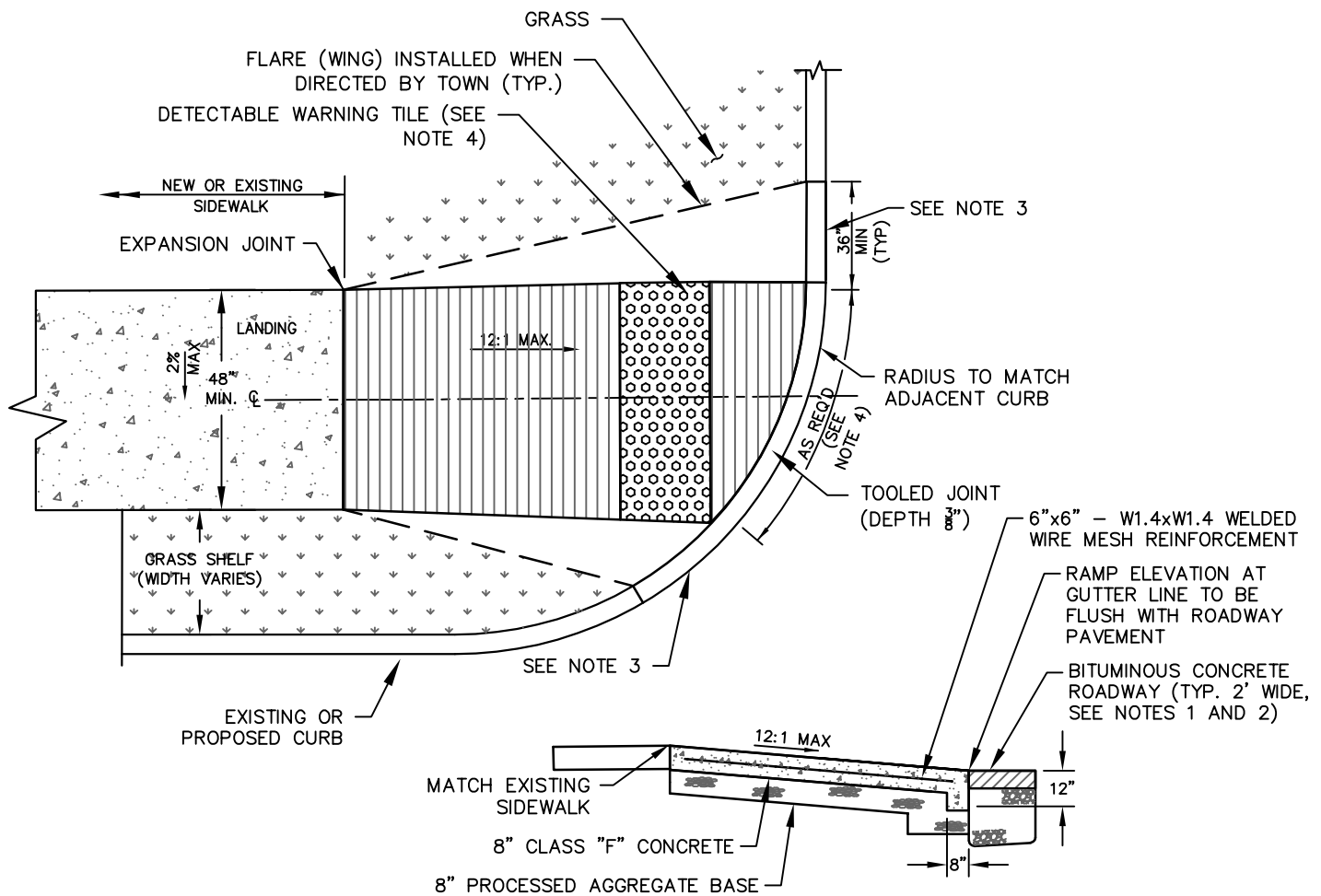
**STANDARD CONSTRUCTION DETAILS FOR
IMPROVEMENTS IN TOWN RIGHT-OF-WAY**

**CONCRETE SIDEWALK RAMP
TYPE A**

DRAWN BY: LB
REVIEWED BY: DM
APPROVED BY: DG

DATE: OCTOBER 2017
REVISED: JANUARY 2020
SCALE: NONE

Sheet No.
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SECTION OF SIDEWALK RAMP AT C

NOTES:

1. NEW PAVEMENT SHALL MATCH EXISTING PAVEMENT THICKNESS OR BE INSTALLED WITH A 4" MIN. THICKNESS, EXCEPT FOR MAJOR TOWN ROADS LISTED ON SHEET 14 WHERE A 5" MIN. PAVEMENT THICKNESS IS REQUIRED.
2. PROCESSED AGGREGATE BASE SHALL BE INSTALLED TO PROVIDE 12" MIN. THICKNESS BELOW THE BOTTOM OF THE EXISTING PAVEMENT SECTION
3. TRANSITION BITUMINOUS CONCRETE CURB TO MATCH SIDEWALK RAMP. IF CONCRETE FLARES (WINGS) ARE NECESSARY TO ACCOMMODATE ADJACENT GRADES, FLARES AND CONCRETE CURB AT 10% MAX SLOPE SHALL BE POURED AND PAID WITH SIDEWALK RAMP.
4. POUR CONCRETE RAMP TO PROVIDE A 6" CLEARANCE BETWEEN DETECTABLE WARNING TILE AND EDGE OF ROAD.
5. ALL CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM TO CTDOT FORM 817 STANDARDS.
6. REFER TO CONCRETE SIDEWALK RAMP NOTES FOR ADDITIONAL INFORMATION.

**TOWN OF WETHERSFIELD
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION**

**STANDARD CONSTRUCTION DETAILS FOR
IMPROVEMENTS IN TOWN RIGHT-OF-WAY**

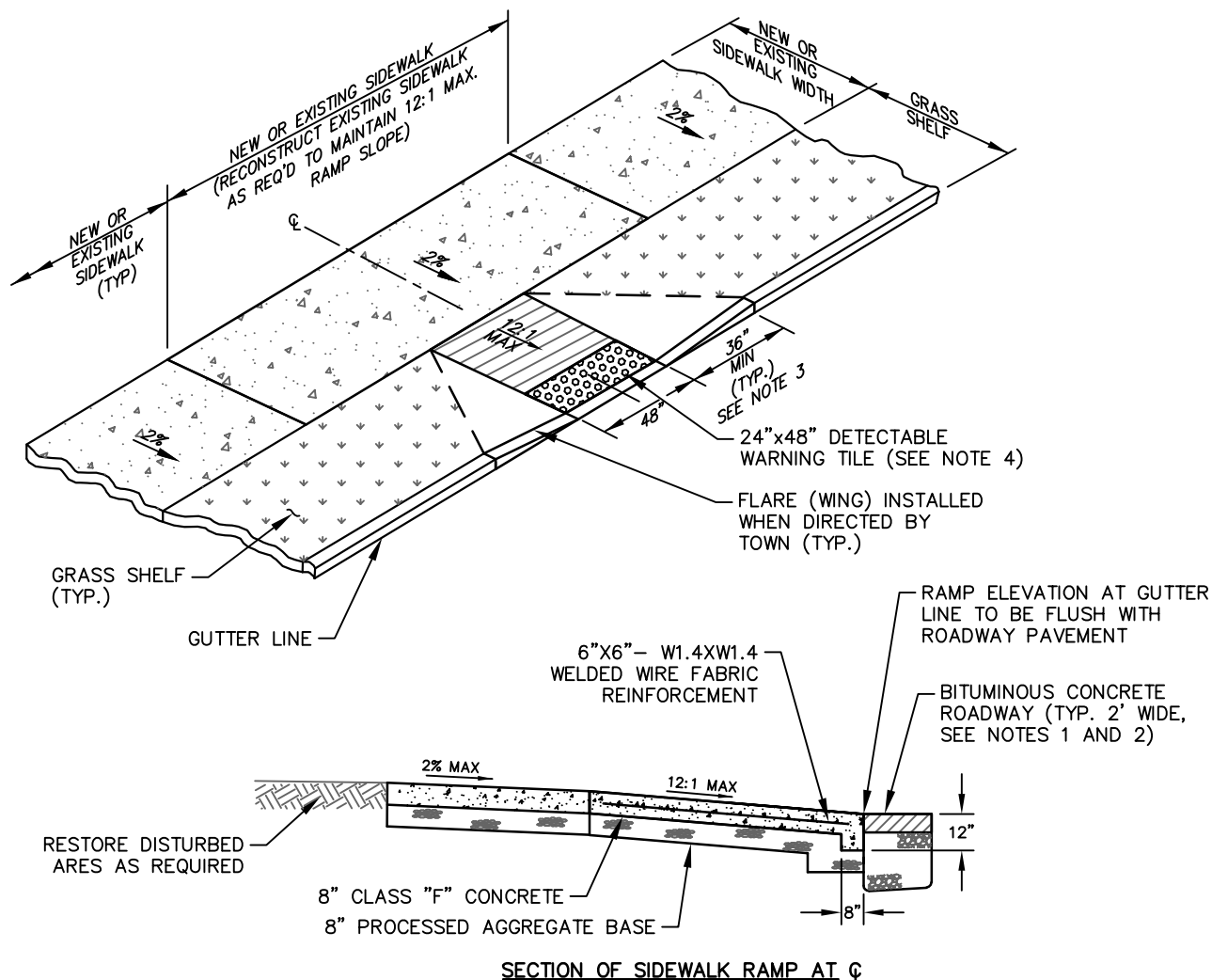
**CONCRETE SIDEWALK RAMP
TYPE B**

DRAWN BY: LB
REVIEWED BY: DM
APPROVED BY: DG

DATE: OCTOBER 2017
REVISED: JANUARY 2020
SCALE: NONE

Sheet No.

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NOTES:

1. NEW PAVEMENT SHALL MATCH EXISTING PAVEMENT THICKNESS OR BE INSTALLED WITH A 4" MIN. THICKNESS, EXCEPT FOR MAJOR TOWN ROADS LISTED ON SHEET 14 WHERE A 5" MIN. PAVEMENT THICKNESS IS REQUIRED.
2. PROCESSED AGGREGATE BASE SHALL BE INSTALLED TO PROVIDE 12" MIN. THICKNESS BELOW THE BOTTOM OF THE EXISTING PAVEMENT SECTION
3. TRANSITION BITUMINOUS CONCRETE CURB TO MATCH SIDEWALK RAMP. IF CONCRETE FLARES (WINGS) ARE NECESSARY TO ACCOMMODATE ADJACENT GRADES, FLARES AND CONCRETE CURB SHALL BE POURED AT 10% MAX. SLOPE AND PAID WITH SIDEWALK RAMP.
4. POUR CONCRETE RAMP TO PROVIDE A 6" CLEARANCE BETWEEN DETECTABLE WARNING TILE AND EDGE OF ROAD.
5. ALL CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM TO CTDOT FORM 817 STANDARDS.
6. REFER TO CONCRETE SIDEWALK RAMP NOTES FOR ADDITIONAL INFORMATION.

**TOWN OF WETHERSFIELD
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION**

**STANDARD CONSTRUCTION DETAILS FOR
IMPROVEMENTS IN TOWN RIGHT-OF-WAY**

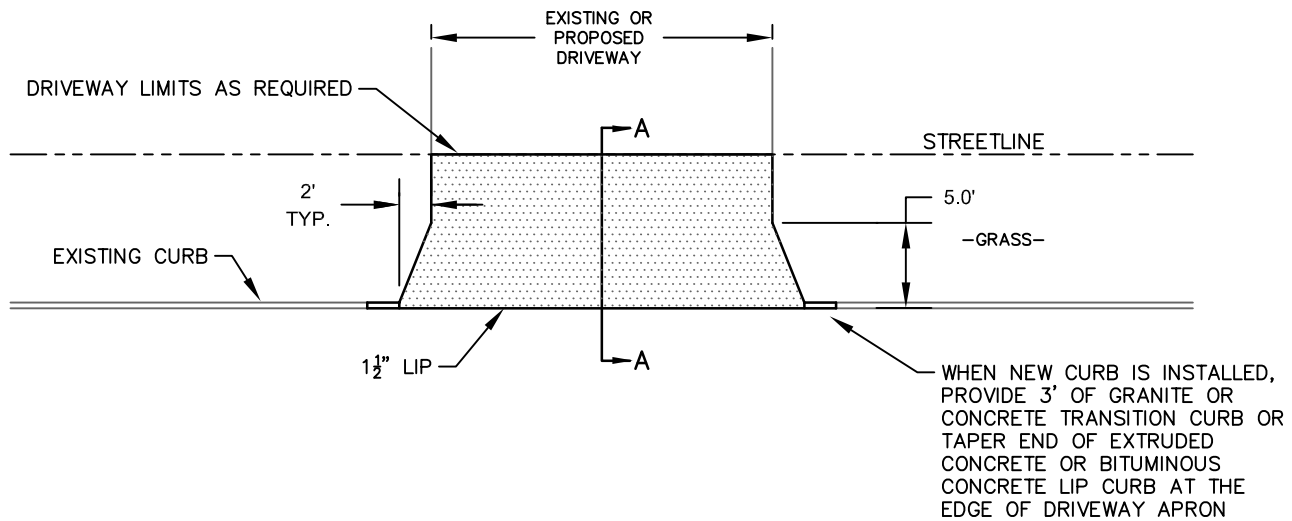
**CONCRETE SIDEWALK
RAMP TYPE C**

DRAWN BY: LB
REVIEWED BY: DM
APPROVED BY: DG

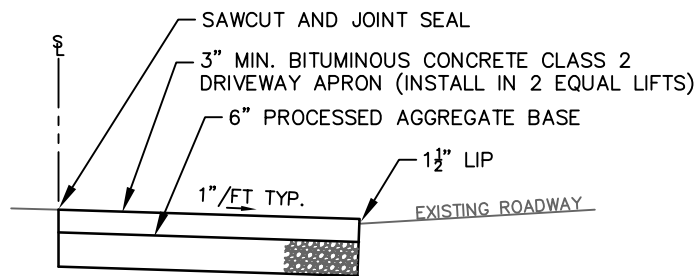
DATE: OCTOBER 2017
REVISED: JANUARY 2020
SCALE: NONE

Sheet No.

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PLAN



SECTION A-A

NOTES:

1. SEE RESPECTIVE DETAILS FOR CURB REQUIREMENTS.
2. MINIMUM DISTANCE BETWEEN MULTIPLE DRIVEWAY OPENINGS SHALL BE 10'.
3. ALL CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM TO CTDOT FORM 817 STANDARDS.

**TOWN OF WETHERSFIELD
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION**

**STANDARD CONSTRUCTION DETAILS FOR
IMPROVEMENTS IN TOWN RIGHT-OF-WAY**

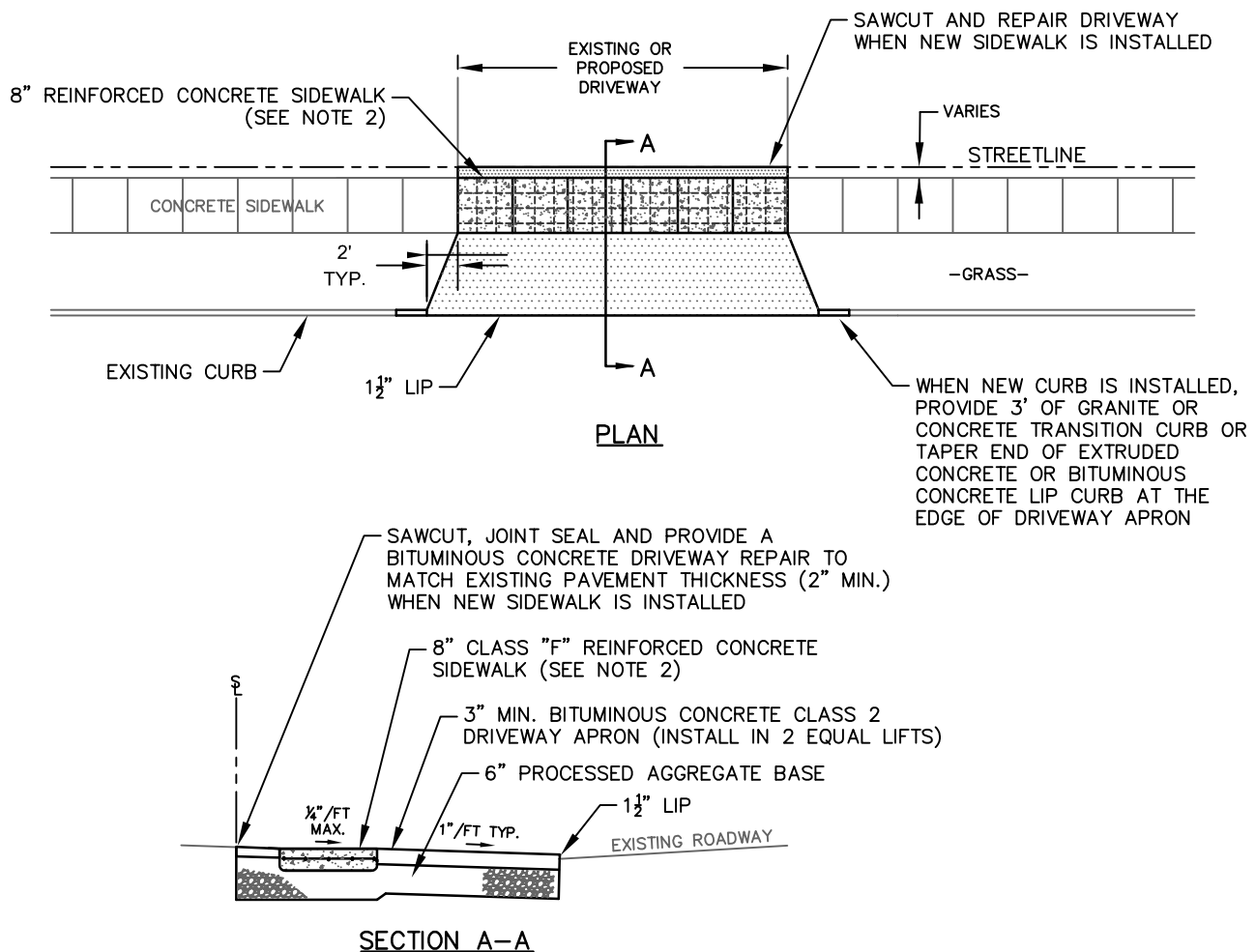
**BITUMINOUS CONCRETE DRIVEWAY
APRON (NO SIDEWALK)**

DRAWN BY: LB
REVIEWED BY: DM
APPROVED BY: DG

DATE: OCTOBER 2017
REVISED: FEBRUARY 2019
SCALE: NONE

Sheet No.

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NOTES:

1. SEE RESPECTIVE DETAILS FOR CONCRETE SIDEWALK AND CURB REQUIREMENTS.
2. REINFORCED CONCRETE SIDEWALK IS REQUIRED ACROSS DRIVEWAY WIDTH TO ACCOMMODATE VEHICLE LOADS. REFER TO ASSOCIATED DETAIL FOR ADDITIONAL INFORMATION.
3. MINIMUM DISTANCE BETWEEN MULTIPLE DRIVEWAY OPENINGS SHALL BE 10'.
4. ALL CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM TO CTDOT FORM 817 STANDARDS.

**TOWN OF WETHERSFIELD
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION**

**STANDARD CONSTRUCTION DETAILS FOR
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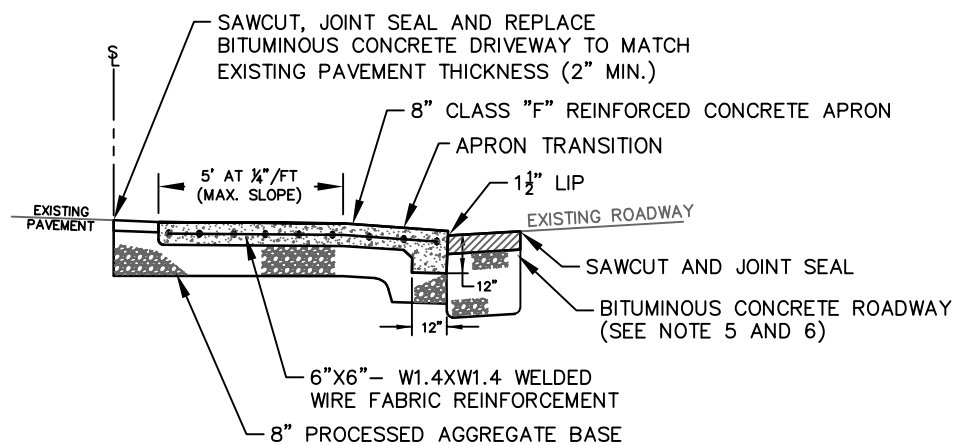
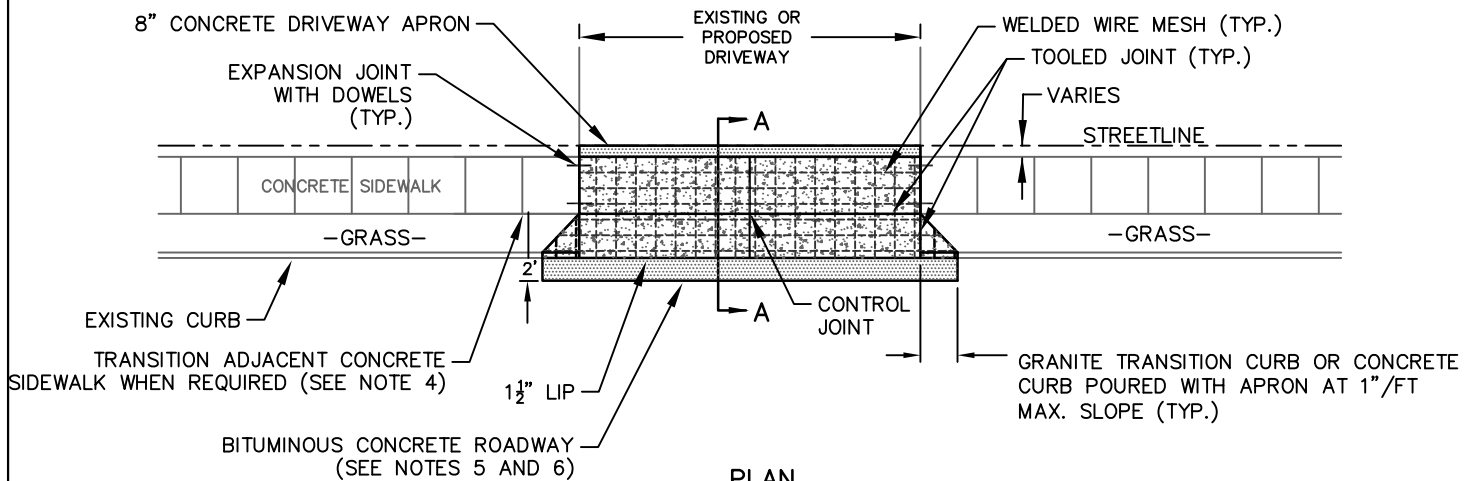
**BITUMINOUS CONCRETE DRIVEWAY
APRON (WITH SIDEWALK)**

DRAWN BY: LB
REVIEWED BY: DM
APPROVED BY: DG

DATE: OCTOBER 2017
REVISED: FEBRUARY 2019
SCALE: NONE

Sheet No.

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NOTES:

1. SEE RESPECTIVE DETAILS FOR CONCRETE SIDEWALK AND CURB REQUIREMENTS.
2. REINFORCED CONCRETE SIDEWALK IS REQUIRED ACROSS DRIVEWAY WIDTH TO ACCOMMODATE VEHICLE LOADS. REFER TO ASSOCIATED DETAIL FOR ADDITIONAL INFORMATION.
3. MINIMUM DISTANCE BETWEEN MULTIPLE DRIVEWAY OPENINGS SHALL BE 10'.
4. TOTAL HEIGHT OF LIP AND APRON TRANSITION SHALL BE 3" MAXIMUM ABOVE THE ROAD GUTTER. WHEN REQUIRED, REPLACE ADJACENT CONCRETE SIDEWALK SLABS AT 5% MAXIMUM SLOPE AS DIRECTED BY THE TOWN.
5. NEW PAVEMENT SHALL MATCH EXISTING PAVEMENT THICKNESS OR BE INSTALLED WITH A 4" MIN. THICKNESS, EXCEPT FOR MAJOR TOWN ROADS LISTED ON SHEET 14 WHERE A 5" MIN. PAVEMENT THICKNESS IS REQUIRED.
6. PROCESSED AGGREGATE BASE SHALL BE INSTALLED TO PROVIDE 12" MIN. THICKNESS BELOW THE BOTTOM OF THE EXISTING PAVEMENT SECTION.
7. ALL CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM TO CTDOT FORM 817 STANDARDS.

**TOWN OF WETHERSFIELD
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**STANDARD CONSTRUCTION DETAILS FOR
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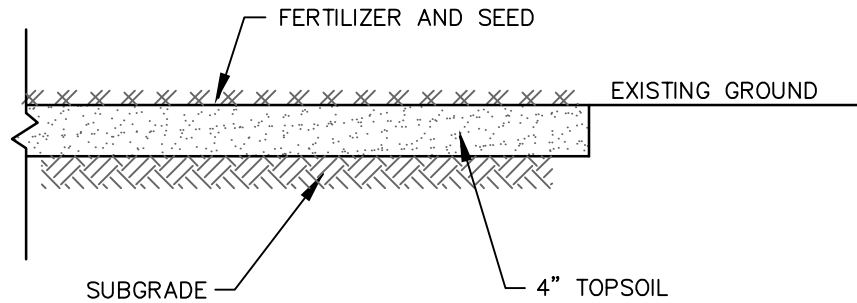
**CONCRETE DRIVEWAY
APRON**

DRAWN BY: LB
REVIEWED BY: DM
APPROVED BY: DG

DATE: OCTOBER 2017
REVISED: FEBRUARY 2019
SCALE: NONE

Sheet No.

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NOTES:

1. PERMANENT GRASS SEED MIX SHALL BE APPLIED FROM APRIL 1 THROUGH JUNE 15 OR AUGUST 15 THROUGH OCTOBER 1 AND SHALL MEET CTDOT FORM 817 AS FOLLOWS:

Species*	Proportion by Weight (Mass) (Pounds)	Minimum Purity (Percent)	Minimum Germination (Percent)
VELVET BENTGRASS, (AGROSTIS CANINA) CERTIFIED VARIETY OR EQUAL CERTIFIED VARIETY	25	96	85
RED FESCUE (FESTUCA RUBRA L. SSP. RUBRA) CERTIFIED VARIETY OR EQUAL CERTIFIED VARIETY	35	97	80
PARTRIDGE PEA (CHAMAECRISTA FASCICULATA) CERTIFIED VARIETY	10	95	90
INDIAN GRASS (SORGHASTRUM NUTANS) CERTIFIED VARIETY	15	95	90
CANADA WILD RYE (ELYMUS CANADENSIS) CERTIFIED VARIETY	5	95	90
KENTUCKY BLUE GRASS (POA PRATENSIS) CERTIFIED VARIETY	10	95	90

* UNDER NO CIRCUMSTANCES SHALL RYEGRASS, ITALIAN RYE OR ANY OTHER SEED BE ADDED TO THE SEED MIXTURE UNLESS APPROVED BY THE TOWN.

2. PERENNIAL RYEGRASS (LOLIUM PRENNE) SHALL BE APPLIED AS TEMPORARY GRASS SEED FROM MARCH 15 THROUGH JULY 1 OR AUGUST 1 THROUGH OCTOBER 15.

**TOWN OF WETHERSFIELD
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION**

**STANDARD CONSTRUCTION DETAILS FOR
IMPROVEMENTS IN TOWN RIGHT-OF-WAY**

LAWN RESTORATION

DRAWN BY: LB
REVIEWED BY: DM
APPROVED BY: DG

DATE: OCTOBER 2017
SCALE: NONE

Sheet No.

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LOCAL ROADS REQUIRING 5" MIN. HMA S0.5 PAVEMENT THICKNESS

ROAD NAME	FROM	TO
CHARTER ROAD	ROCKY HILL TOWN LINE	MAPLE STREET (STATE RTE 3)
CHURCH STREET	WOLCOTT HILL ROAD	MAIN STREET
FOLLY BROOK BOULEVARD	NOTT STREET	HARTFORD TOWN LINE
GOFF ROAD	PROSPECT STREET (STATE RTE 287)	NOTT STREET
GRISWOLD ROAD	PROSPECT STREET (STATE RTE 287)	MAPLE STREET (STATE RTE 3)
HANG DOG LANE	HIGHLAND STREET	MAPLE STREET (STATE RTE 3)
HARTFORD AVENUE	STATE STREET	HARTFORD TOWN LINE
HIGHLAND STREET	ROCKY HILL TOWN LINE	GRISWOLD ROAD
JORDAN LANE	SILAS DEANE HIGHWAY (STATE RTE 99)	HARTFORD AVENUE
MAIN STREET	WELLS ROAD	STATE STREET
MARSH STREET	MAIN STREET	MEADOW VIEW ROAD
MIDDLETOWN AVENUE	ROCKY HILL TOWN LINE	MAPLE STREET (STATE RTE 3)
MILL STREET	MAPLE STREET (STATE RTE 3)	MIDDLETOWN AVENUE
NOTT STREET	BERLIN TURNPIKE (STATE RTE 5/15)	SILAS DEANE HIGHWAY (STATE RTE 99)
RIDGE ROAD	PROSPECT STREET (STATE RTE 287)	HARTFORD TOWN LINE
SPRING STREET	MAPLE STREET (STATE RTE 3)	WELLS ROAD
STATE STREET	HARTFORD AVENUE	MAIN STREET
THORNBUSH ROAD	HIGHLAND STREET	PROSPECT STREET (STATE RTE 287)
TOWN LINE ROAD	CHARTER ROAD	ROCKY HILL TOWN LINE
TWO ROD HIGHWAY	NEWINGTON TOWN LINE	HIGHLAND STREET
WELLS ROAD	SILAS DEANE HIGHWAY (STATE RTE 99)	MAIN STREET
WOLCOTT HILL ROAD	PROSPECT STREET (STATE RTE 287)	HARTFORD TOWN LINE

STATE ROADS REQUIRING CTDOT ENCROACHMENT PERMITS

ROAD NAME	FROM	TO
BERLIN TURNPIKE (STATE RTE 5/15)	NEWINGTON TOWN LINE	WILBUR CROSS HIGHWAY (STATE RTE 5/15)
BERLIN TURNPIKE (STATE RTE 314)	WILBUR CROSS HIGHWAY (STATE RTE 5/15)	JORDAN LANE (STATE RTE 314)
BERLIN TURNPIKE (STATE RTE 543)	JORDAN LANE (STATE RTE 314)	HARTFORD TOWN LINE
INTERSTATE 91	HARTFORD TOWN LINE	ROCKY HILL TOWN LINE
JORDAN LANE (STATE RTE 314)	BERLIN TURNPIKE (STATE RTE 5/15)	SILAS DEANE HIGHWAY (STATE RTE 99)
MAPLE STREET (STATE RTE 3)	ROCKY HILL TOWN LINE	ELM STREET
NOTT STREET (STATE ROUTE 422)	SILAS DEANE HIGHWAY (STATE RTE 99)	HARTFORD AVENUE
PROSPECT STREET (STATE RTE 287)	NEWINGTON TOWN LINE	MAPLE STREET (STATE RTE 3)
SILAS DEANE HIGHWAY (STATE RTE 99)	ROCKY HILL TOWN LINE	HARTFORD TOWN LINE
STATE ROUTE 3	ELM STREET	GLASTONBURY TOWN LINE
WELLS ROAD (STATE RTE 175)	NEWINGTON TOWN LINE	SILAS DEANE HIGHWAY (STATE RTE 99)
WILBUR CROSS HIGHWAY (STATE RTE 5/15)	BERLIN TURNPIKE (STATE RTE 5/15)	HARTFORD TOWN LINE

NOTES:

1. ALL PAVEMENT REPAIRS WITHIN TOWN ROADS SHALL BE COMPLETED IN ACCORDANCE WITH DETAILS PROVIDED IN THIS DRAWING SET.
2. ALL PAVEMENT REPAIRS IN STATE ROADS REQUIRE A CTDOT ENCROACHMENT PERMIT AND SHALL BE COMPLETED AS DIRECTED BY THE CTDOT.

**TOWN OF WETHERSFIELD
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION**

**STANDARD CONSTRUCTION DETAILS FOR
IMPROVEMENTS IN TOWN RIGHT-OF-WAY**

**PAVEMENT REPAIR REQUIREMENTS
FOR MAJOR ROADS**

DRAWN BY: LB
REVIEWED BY: DM
APPROVED BY: DG

DATE: OCTOBER 2017
REVISED: FEBRUARY 2019
SCALE: NONE

Sheet No.

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Town of Wethersfield Code

Chapter 139 – Streets and Sidewalks

Article III - Excavations

ARTICLE III
Excavations

§ 139-16. Definitions.

The following words, when used in this Article, shall have the meaning ascribed to them in this section, except in those instances where the context clearly indicates otherwise:

PERSON — Includes any natural person, partnership, firm, association, corporation or organization of any kind.

STREET — Any public street, avenue, road, square, alley, highway or other public place located in the Town of Wethersfield, and shall include sidewalks and driveway aprons.

§ 139-17. Permit and license required.

It shall be unlawful for any person to open or to make any excavation of any kind in any of the streets in the Town of Wethersfield without first securing a license and a permit therefor, as hereinafter provided.

§ 139-18. Licensing and insurance provisions.

A. All contractors excavating within Town streets shall be licensed. The contractor applying for license shall furnish the Town with a valid insurance certificate completed by his agent or insurer for the minimum amount described as follows:

(1) Liability:

(a) Bodily injury limits of \$500,000 each person/\$500,000 each accident.

(b) Property damage limits of \$500,000 each accident.

B. The insurance shall cover the entire contract period as well as the maintenance period, and in the event that the insurance expires during this time, the contractor shall furnish the Town with a renewal certificate at least 10 days prior to expiration.

C. The property damage insurance shall specifically cover damage to underground pipes and conduits damaged while using powered or mechanized equipment to excavate in the public right-of-way.

D. Before a license is granted, the applicant must file with the Engineering Division a surety bond in the sum of not less than \$10,000 made on a form provided for that purpose. Said surety bond may be cash or written by an indemnity or surety company

authorized to transact business in Connecticut and approved by the Town Manager or his agent. Excavator's licenses are not transferable. Before any permit shall be issued to open or excavate any street in the Town, the applicant shall pay to the Town Engineer a permit fee in the amount of \$35 to cover the cost of inspection and other incidental services in connection therewith. Any work performed without obtaining the necessary permits and licenses as prescribed in this article shall result in a doubling of the fees as contained in this section. Permits shall be valid for a period of 30 days. If the estimated value of the work exceeds \$10,000 in the opinion of the Town Engineer, he may require the contractor make application for multiple permits for the various components of the work. The Town Engineer or his designated representative may at any time cancel or suspend permits for just cause.

§ 139-19. Permits.

Any person who desires to make any opening or excavation in any of the streets in the Town of Wethersfield shall make application to the Engineering Division, in writing, for that purpose. Such an application shall be made upon blanks to be furnished by the Town and shall contain the name of the applicant, the exact location of the proposed opening or excavation, the approximate size or depth thereof, the CALL BEFORE YOU DIG permit number and an agreement on the part of the applicant that the work shall be done in full compliance with all related ordinances of the Town and the laws of the State of Connecticut and that the applicant shall hold the Town harmless from and indemnify it against any and all actions, suits, demands, payments, costs and charges for or by reason of the proposed opening or excavation and all damages to persons or property resulting in any manner therefrom or occurring in the prosecution of corrected work or from any other related matter.

§ 139-20. Construction procedures.

- A. Any person who opens or excavates any street in the Town shall thoroughly and completely refill the opening or excavation, puddling and ramming so as to prevent any settling thereafter; and shall restore the surface to the same condition as it was before the opening or excavation, and such restoration shall be in accordance with the specifications of the Engineering Division of the Town of Wethersfield for roadway standards of streets in the Town. The surface shall conform to the proper grade and be of the same surface covering as the part of the thoroughfare

immediately adjoining the opening. If, within five years after the restoration of the surface, defects appear, the contractor shall repair the defect within 12 hours. If the Town Engineer or his representative deems that an emergency exists, repairs will be completed by the most expeditious means possible. All repair costs shall be reimbursed to the Town or charged to the excavator's surety bond.

- B. The backfill of trenches within the roadway limits and paved areas shall be placed in layers not more than 12 inches thick and shall be thoroughly compacted by tamping or other approved means to the satisfaction of the Town Engineer or his designated agent. The materials used for backfill shall be subject to the inspection and approval of the Town Engineer or his agent, and if, in his opinion, the excavated material is unsuitable for backfill, the contractor shall dispose of this unsuitable material and substitute approved bank run gravel or other material in the amounts and proportions specified by the Town Engineer. When the backfill has been completed within 12 inches of the finished pavement on the surface grade, the first eight inches shall be filled and compacted using an approved grade of processed stone and then covered with four inches of bituminous concrete placed in two lifts, as shown on the standard drawings of the Engineering Division. All trenches shall be covered with a suitable bituminous patching material at the end of every workday.
- C. Final patching shall be completed within six months and shall conform to the Town of Wethersfield Standard Roadway Construction Drawings and Specifications.¹
- D. All other work in connection with openings in any street, including excavation, protection, refilling and temporary paving, shall be done by the applicant at his expense, and all such work shall be subject to the provisions of this article and to the supervision and approval of the Town Engineer.

§ 139-21. Notification of Police and Fire Departments.

The contractor shall notify the Police Department and the Fire Department 24 hours in advance of making any excavation which requires blocking more than 50% of the width of the street. Police protection, if required, shall be at the expense of the contractor.

1. Editor's Note: Said documents are on file in the Town offices.

§ 139-22. Restrictions.

- A. No opening or excavation in any street shall extend from the curblin into the highway a distance greater than one foot beyond the center line of the street before being refilled and the surface of the highway restored to a condition safe and convenient for travel to the satisfaction of the Town Engineer.
- B. No more than 500 feet longitudinally shall be opened in any street at any one time.
- C. The work of excavation shall be so conducted as not to interfere with the water mains, sewers or their lateral connections or any other subsurface utility until permission of the proper authorities has been obtained.
- D. The contractor shall at all times at his own expense preserve and protect from injury all adjoining property by providing proper foundations and taking other measures suitable for the purpose. The contractor shall, at his own expense, shore up and protect all buildings, walls, fences, or other property likely to be damaged during the progress of the excavation work and shall be responsible for all damage to public or private property or highways resulting from his operations.
- E. No tunneling to include pipe jacking and pneumatic or vibratory boring or piercing tools shall be allowed without the express approval of the Town Engineer and permission therefor endorsed upon the permit. The backfilling of a tunnel excavation shall be made only in the presence of the Town Engineer or an inspector designated by him and shall be done only in a method approved by him.
- F. No contractor shall make a trench cut of over 48 inches in width without first obtaining special permission from the Town Engineer or his designated agent.
- G. On all streets, a temporary paving satisfactory to the Town Engineer, thoroughly bound and compacted, shall be installed flush with the surface of the adjoining paving at the end of each work day.
- H. As the excavation work progresses, all streets shall be thoroughly cleaned of all rubbish, excess earth, rock and other debris. The contractor shall take necessary precautions to prevent and avoid dust and to keep the streets clean each day. All cleanup operations shall be accomplished at the expense of the contractor and shall be carried out to the satisfaction of the Town Engineer.

- I. Each contractor shall conduct and carry out excavation work in such a manner as to avoid unnecessary inconvenience and annoyance to the general public and occupants of neighboring property and in strict compliance with the provisions of Chapter 105, Noise Control, of the Code of the Town of Wethersfield.

§ 139-23. Safeguards.

During the making of any street excavation, every reasonable precaution shall be taken by the applicant to keep the street in a safe and passable condition both day and night. Unless emergency conditions exist, construction or maintenance operations which will result in the narrowing or closing of the travel portion of any arterial street will not be permitted prior to start of peak hour traffic. Traffic-control devices must be set up prior to the start of construction or maintenance operations and shall be properly maintained during the time such special conditions exist. They shall remain in place only as long as they are needed and shall be immediately removed thereafter. Where operations are performed in stages, there shall be in place only those devices that apply to the conditions present during the stage in progress, and such devices shall be covered or out of the view of traffic at times when they do not apply. Payments to traffic flagmen or police where required by the Chief of Police or the Town Engineer shall be the responsibility of the contractor.

§ 139-24. Penalties for offenses.

The penalty for each violation or offense shall be \$100 and each and every twenty-four-hour period of failure or neglect to comply with the provisions of this article shall be deemed a separate offense or violations. Licensed contractors failing to obtain the required permit shall also be subject to license suspension for a period of not more than 90 days.